

PT#15



1600

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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/554,945B

DATE: 03/11/2003

TIME: 11:03:03

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\03112003\I554945B.raw

ENTERED

4 <110> APPLICANT: CHEN, JIA-LUN
5 FU, GANG
6 SONG, HUAI-DONG
8 <120> TITLE OF INVENTION: A HUMAN HSG III GENE
11 <130> FILE REFERENCE: CPA-100US
13 <140> CURRENT APPLICATION NUMBER: 09/554,945B
14 <141> CURRENT FILING DATE: 2000-05-22
16 <150> PRIOR APPLICATION NUMBER: PCT/CN98/00199
17 <151> PRIOR FILING DATE: 1998-09-22
19 <160> NUMBER OF SEQ ID NOS: 2
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 2017
25 <212> TYPE: DNA
26 <213> ORGANISM: HOMO SAPIENS
W--> 27 <220> FEATURE:
28 <221> NAME/KEY: UNSURE
29 <222> LOCATION: (1930) (1990) (2005)
30 <223> OTHER INFORMATION: cDNA Sequence
32 <400> SEQUENCE: 1
33 taaagctacg ccttgccgc agtctccgcg tcacaggaac ttcagcacc acagggcgga 60
34 cagcgctccc ctctacctgg agacttgact ccgcgcgcc ccaaccctgc ttatcccttg 120
35 accgtcgagt gtcagagatc ctgcagcgcc ccagtcgccg cccctctccc gccccacacc 180
36 caccctcctg gctcttccctg tttttactcc tccttttcat tcataacaaa agctacagct 240
37 ccaggagccc agcgccgggc tgtgacccaa gccgagcgtg gaagaatggg gttcctcggg 300
38 accggcactt ggattctggt gttagtgtc ccgattcaag ctttcccaa acctggagga 360
39 agccaagaca aatctctaca taatagagaa ttaagtgcag aaagacctt gaatgaacag 420
40 attgctgaag cagaagaaga caagattaaa aaaacatata ctcagaaaa caagccaggt 480
41 cagagcaact attcttttgt tgataacttg aacctgctaa gggcaataac agaaaaggaa 540
42 aaaattgaga aagaaagaca atctataaga agctccccc ttgataataa gttgaatgtg 600
43 gaagatgttg attcaaccaa gaatcgaaaa ctgatcgatg attatgactc tactaagagt 660
44 ggattggatc ataaatttca agatgatcca gatggtcttc atcaactaga cgggactcct 720
45 ttaaccgctg aagacattgt ccataaaatc gctgccagga tttatgaaga aaatgacaga 780
46 gccgtgtttg acaagattgt ttctaaacta cttaatctcg gccttatcac agaaagccaa 840
47 gcacatacac tggaagatga agtagcagag gttttacaaa aattaatctc aaaggaagcc 900
48 aacaattatg aggaggatcc caataagccc acaagctgga ctgagaatca ggctggaaaa 960
49 ataccagaga aagtgactcc aatggcagca attcaagatg gtcttgctaa gggagaaaac 1020
50 gatgaaacag tatctaacac attaaccttg acaaatggct tggaaaggag aactaaaacc 1080
51 tacagtgaag acaactttag ggacttccaa tatttcccaa atttctatgc gctactgaaa 1140
52 agtattgatt cagaaaaaga agcaaaagag aaagaaacac tgattactat catgaaaaca 1200
53 ctgattgact ttgtgaagat gatggtgaaa tatggaacaa tatctccaga agaaggtgtt 1260
54 tcctaccttg aaaacttgga tgaaatgatt gctcttcaga ccaaaaaaca gctagaaaaa 1320
55 aatgctactg acaatataag caagcttttc ccagcaccat cagagaagag tcatgaagaa 1380

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56 acagacagta ccaaggaaga agcagctaag atggaaaagg aatatggaag cttgaaggat 1440
 57 tccacaaaag atgataactc caaccagga ggaaagacag atgaacccaa aggaaaaaca 1500
 58 gaagcctatt tggaagccat cagaaaaaat attgaatggt tgaagaaaca tgacaaaaag 1560
 59 ggaaataaag aagattatga cctttcaaag atgagagact tcatcaataa acaagctgat 1620
 60 gcttatgtgg agaaaggcat ccttgacaag gaagaagccg aggccatcaa gcgcatttat 1680
 61 agcagcctgt aaaaatggca aaagatccag gagtctttca actgtttcag aaaacataat 1740
 62 atagcttaaa acacttctaa ttctgtgatt aaaatttttt gacccaaggg ttattagaaa 1800
 63 gtgctgaatt tacagtagtt aacctttttac aagtgggttaa aacatagctt tcttcccgtta 1860
 64 aaaactatct gaaagtaaag ttgtatgtaa gctgagattt tgtatacagg aatccttatt 1920
 W--> 65 **tcctcatagn cttattattt tataatcagg aatatgttgc tttggaaaaa gcctcttaat** 1980
 66 gggctgaccn taaaaactca atccttcttc cactgtc 2017
 68 <210> SEQ ID NO: 2
 69 <211> LENGTH: 468
 70 <212> TYPE: PRT
 71 <213> ORGANISM: HOMO SAPIENS
 73 <400> SEQUENCE: 2
 74 Met Gly Phe Leu Gly Thr Gly Thr Trp Ile Leu Val Leu Val Leu Pro
 75 1 5 10 15
 76 Ile Gln Ala Phe Pro Lys Pro Gly Gly Ser Gln Asp Lys Ser Leu His
 77 20 25 30
 78 Asn Arg Glu Leu Ser Ala Glu Arg Pro Leu Asn Glu Gln Ile Ala Glu
 79 35 40 45
 80 Ala Glu Glu Asp Lys Ile Lys Lys Thr Tyr Pro Pro Glu Asn Lys Pro
 81 50 55 60
 82 Gly Gln Ser Asn Tyr Ser Phe Val Asp Asn Leu Asn Leu Arg Ala
 83 65 70 75 80
 84 Ile Thr Glu Lys Glu Lys Ile Glu Lys Glu Arg Gln Ser Ile Arg Ser
 85 85 90 95
 86 Ser Pro Leu Asp Asn Lys Leu Asn Val Glu Asp Val Asp Ser Thr Lys
 87 100 105 110
 88 Asn Arg Lys Leu Ile Asp Asp Tyr Asp Ser Thr Lys Ser Gly Leu Asp
 89 115 120 125
 90 His Lys Phe Gln Asp Asp Pro Asp Gly Leu His Gln Leu Asp Gly Thr
 91 130 135 140
 92 Pro Leu Thr Ala Glu Asp Ile Val His Lys Ile Ala Ala Arg Ile Tyr
 93 145 150 155 160
 94 Glu Glu Asn Asp Arg Ala Val Phe Asp Lys Ile Val Ser Lys Leu Leu
 95 165 170 175
 96 Asn Leu Gly Leu Ile Thr Glu Ser Gln Ala His Thr Leu Glu Asp Glu
 97 180 185 190
 98 Val Ala Glu Val Leu Gln Lys Leu Ile Ser Lys Glu Ala Asn Asn Tyr
 99 195 200 205
 100 Glu Glu Asp Pro Asn Lys Pro Thr Ser Trp Thr Glu Asn Gln Ala Gly
 101 210 215 220
 102 Lys Ile Pro Glu Lys Val Thr Pro Met Ala Ala Ile Gln Asp Gly Leu
 103 225 230 235 240
 104 Ala Lys Gly Glu Asn Asp Glu Thr Val Ser Asn Thr Leu Thr Leu Thr
 105 245 250 255
 106 Asn Gly Leu Glu Arg Arg Thr Lys Thr Tyr Ser Glu Asp Asn Phe Arg

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```

107          260          265          270
108 Asp Phe Gln Tyr Phe Pro Asn Phe Tyr Ala Leu Leu Lys Ser Ile Asp
109          275          280          285
110 Ser Glu Lys Glu Ala Lys Glu Lys Glu Thr Leu Ile Thr Ile Met Lys
111          290          295          300
112 Thr Leu Ile Asp Phe Val Lys Met Met Val Lys Tyr Gly Thr Ile Ser
113          305          310          315          320
114 Pro Glu Glu Gly Val Ser Tyr Leu Glu Asn Leu Asp Glu Met Ile Ala
115          325          330          335
116 Leu Gln Thr Lys Asn Lys Leu Glu Lys Asn Ala Thr Asp Asn Ile Ser
117          340          345          350
118 Lys Leu Phe Pro Ala Pro Ser Glu Lys Ser His Glu Glu Thr Asp Ser
119          355          360          365
120 Thr Lys Glu Glu Ala Ala Lys Met Glu Lys Glu Tyr Gly Ser Leu Lys
121          370          375          380
122 Asp Ser Thr Lys Asp Asp Asn Ser Asn Pro Gly Gly Lys Thr Asp Glu
123          385          390          395          400
124 Pro Lys Gly Lys Thr Glu Ala Tyr Leu Glu Ala Ile Arg Lys Asn Ile
125          405          410          415
126 Glu Trp Leu Lys Lys His Asp Lys Lys Gly Asn Lys Glu Asp Tyr Asp
127          420          425          430
128 Leu Ser Lys Met Arg Asp Phe Ile Asn Lys Gln Ala Asp Ala Tyr Val
129          435          440          445
130 Glu Lys Gly Ile Leu Asp Lys Glu Glu Ala Glu Ala Ile Lys Arg Ile
131          450          455          460
132 Tyr Ser Ser Leu
133          465

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/554,945B

DATE: 03/11/2003
TIME: 11:03:04

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF4\03112003\I554945B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1930,1990,2005

VERIFICATION SUMMARY

DATE: 03/11/2003

PATENT APPLICATION: **US/09/554,945B**

TIME: 11:03:04

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L:27 M:283 W: Missing Blank Line separator, <220> field identifier
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1920
M:341 Repeated in SeqNo=1